

Comparisons of Job Characteristics

Focus Occupation: **Computer Programmers (15-1021)**

Associated Occupation: **Logisticians (13-1081)**

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 72

Focus Occupation: Computer Programmers (15-1021)

Associated Occupation: Logisticians (13-1081)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Computers and Electronics	8.4	16.4	24.2	>>	Current knowledge level is likely more than sufficient
Administration and Management	8.4	15.8	9.6	<<	Extensive education and/or training may be required
Public Safety and Security	6.9	12.7	3.5	<<	Extensive education and/or training may be required
Mathematics	9.2	12.3	13.1	0	Current knowledge level may be sufficient
Transportation	4.6	11.8	3.2	<<	Extensive education and/or training may be required
Clerical	7.3	10.4	5.0	<<	Extensive education and/or training may be required
Telecommunications	3.9	9.7	4.8	<<	Extensive education and/or training may be required
Economics and Accounting	4.4	9.3	3.5	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 43

Focus Occupation: Computer Programmers (15-1021)

Associated Occupation: Logisticians (13-1081)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Critical Thinking	10.8	14.2	11.8	<	A higher skill level may be required
Monitoring	9.9	13.9	8.8	<<	Extensive development of skills in this area may be required

Coordination	9.1	12.7	8.1	<<	Extensive development of skills in this area may be required
Complex Problem Solving	9.1	12.5	11.2	<	A higher skill level may be required
Time Management	8.9	11.8	9.6	<	A higher skill level may be required
Service Orientation	7.9	11.2	6.5	<<	Extensive development of skills in this area may be required
Management of Personnel Resources	6.9	10.8	6.2	<<	Extensive development of skills in this area may be required
Systems Analysis	6.5	10.7	9.2	<	A higher skill level may be required
Operations Analysis	5.0	10.6	10.1	0	Current skill level may be sufficient
Persuasion	7.4	10.4	6.4	<<	Extensive development of skills in this area may be required
Systems Evaluation	6.4	9.9	10.1	0	Current skill level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 93			
Focus Occupation: Computer Programmers (15-1021) Associated Occupation: Logisticians (13-1081)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Deductive Reasoning	10.6	14.8	12.2	<	Some improvement in abilities may be required
Inductive Reasoning	10.2	13.2	11.6	<	Some improvement in abilities may be required
Speech Recognition	9.9	11.8	8.7	<<	Extensive improvement in abilities may be required
Originality	7.6	11.6	8.7	<<	Extensive improvement in abilities may be required
Fluency of Ideas	7.6	10.6	8.3	<	Some improvement in abilities may be required
Mathematical Reasoning	6.3	9.1	10.2	>	Current ability level is likely sufficient
Memorization	5.6	7.9	5.8	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 76
Focus Occupation: Computer Programmers (15-1021) Associated Occupation: Logisticians (13-1081)		
Work Activities	Exclusivity of Activity	
Analyze workflow	89	
Communicate technical information	4	

Use computers to enter, access or retrieve data	3
Use geographical information system (GIS) software	72
Use interpersonal communication techniques	10
Use project management techniques	47
Use relational database software	26
Use spreadsheet software	18

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 75

Focus Occupation: Computer Programmers (15-1021)
Associated Occupation: Logisticians (13-1081)

Tools and Technologies	Exclusivity
Business function specific software	1
Computers	1
Content authoring and editing software	1
Data management and query software	1
Development software	4
Industry specific software	1
Network applications software	1
Operating environment software	12

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.